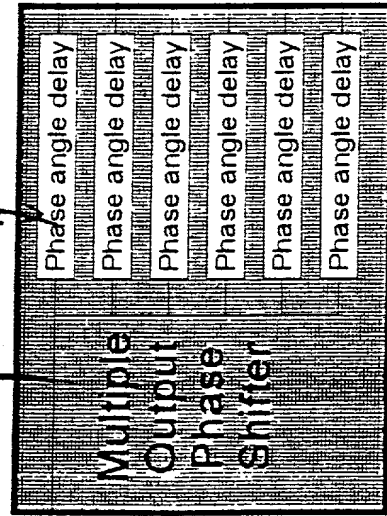


INPUT
POWER

Waveform
Generator
2

Waveform Generator capable of generation of complex waveforms including epiked waveforms. Output is single phase with a frequency range of 5-2,000,000 Hz. Generator may also modify the waveform as necessary, or may provide a time period at zero voltage.

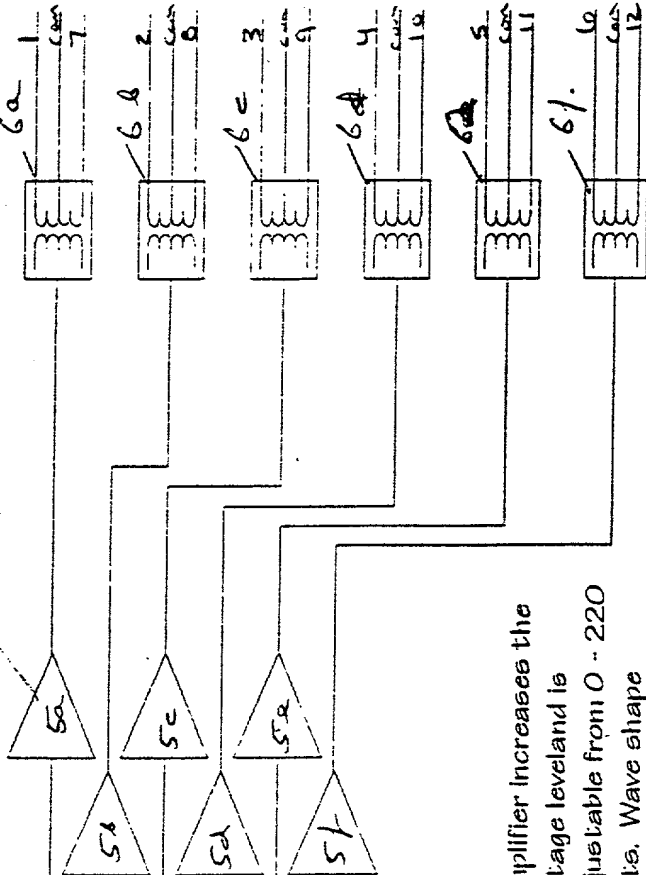


Multiple Output Phase Shifter capable of generating multiple phase outputs varying from 1 phase to 6 phase. The total number of degrees of phase shift between individual outputs is independently variable on each output.

applied 12 phase

TOTED 1598/850

Amplifiers 5

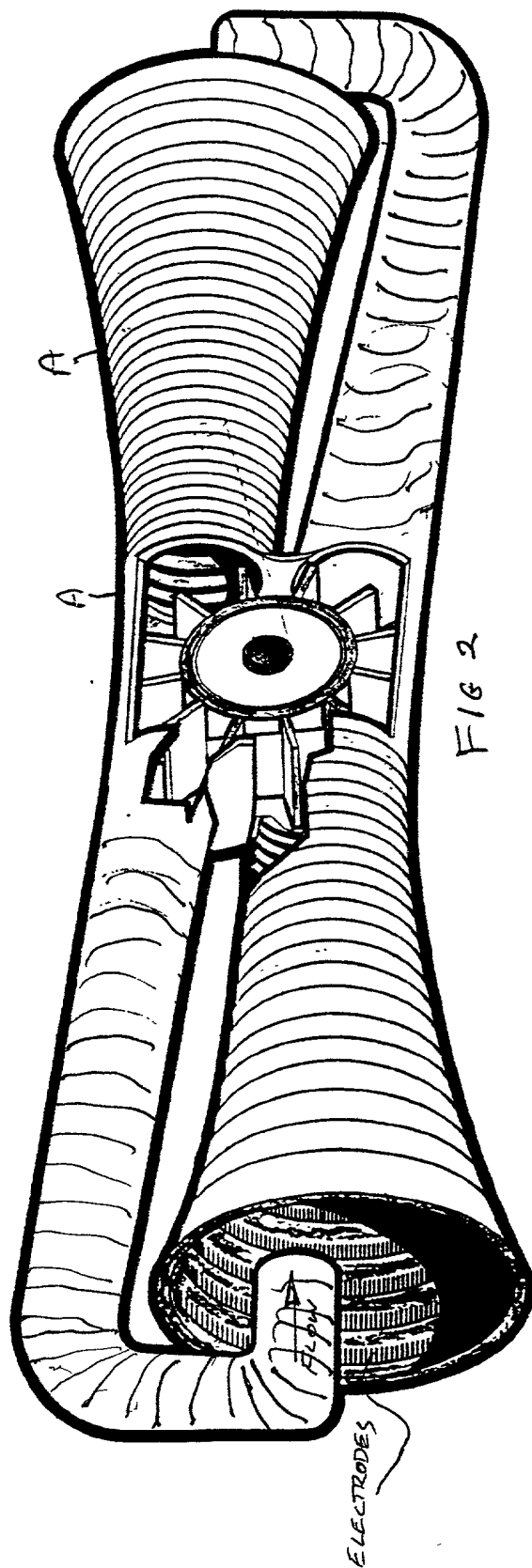
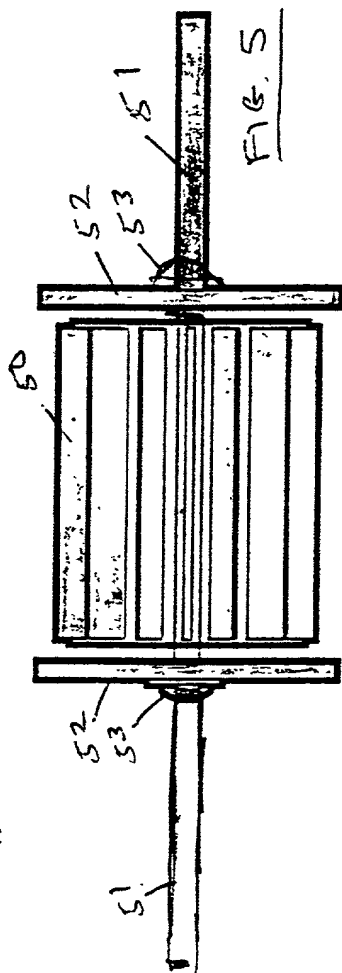
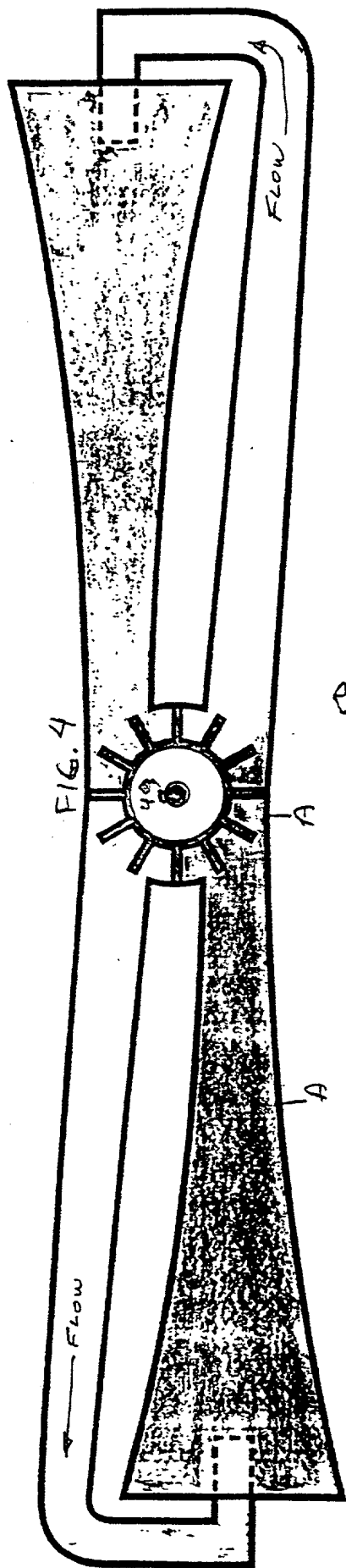


Amplifier increases the voltage level and is adjustable from 0 - 220 volts. Wave shape or phase angle is not affected by the amplification.

Transformer increases the output voltage of the amplifier to a maximum voltage of 40,000 volts. This increase is possible with no significant effect on the wave shape or phase angle.

"POWER SUPPLY"

FIG. 1



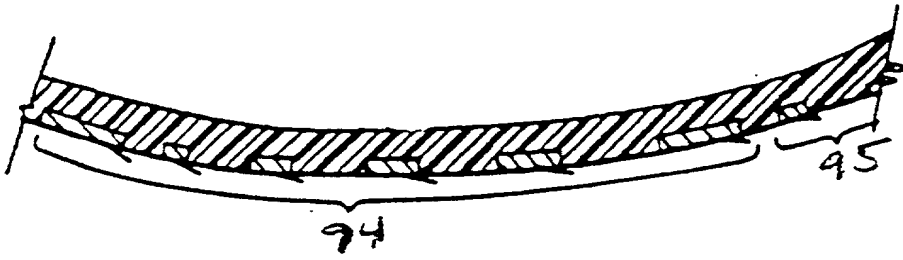


FIG 3

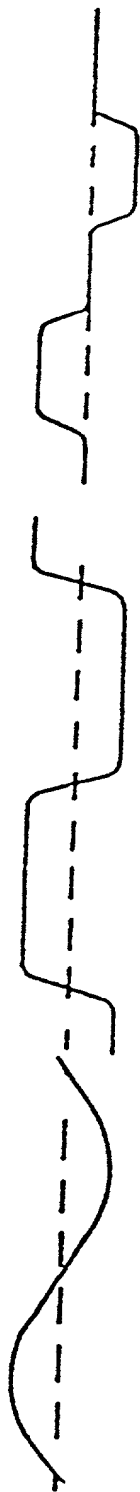
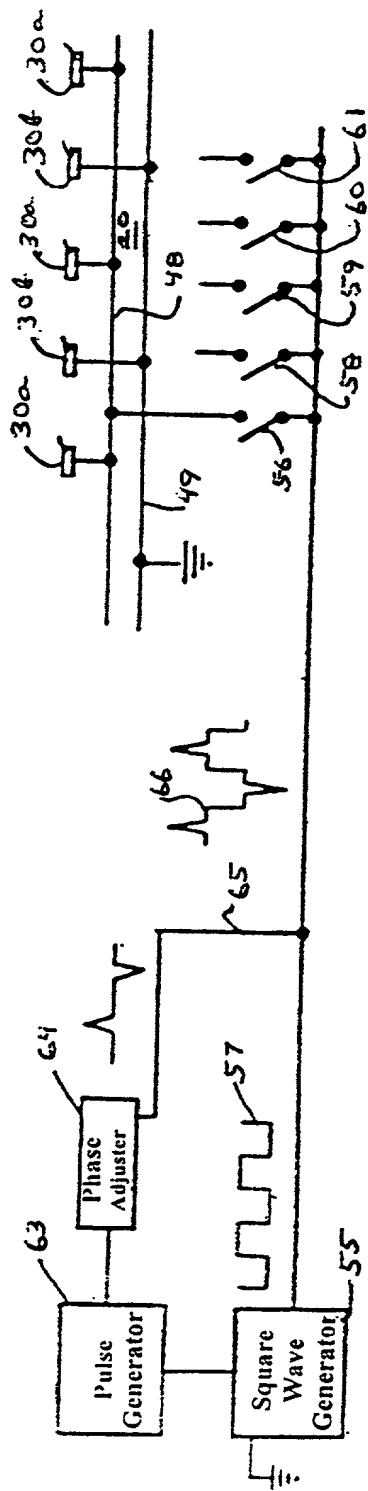


FIG. 6

FIG. 7

FIG. 8



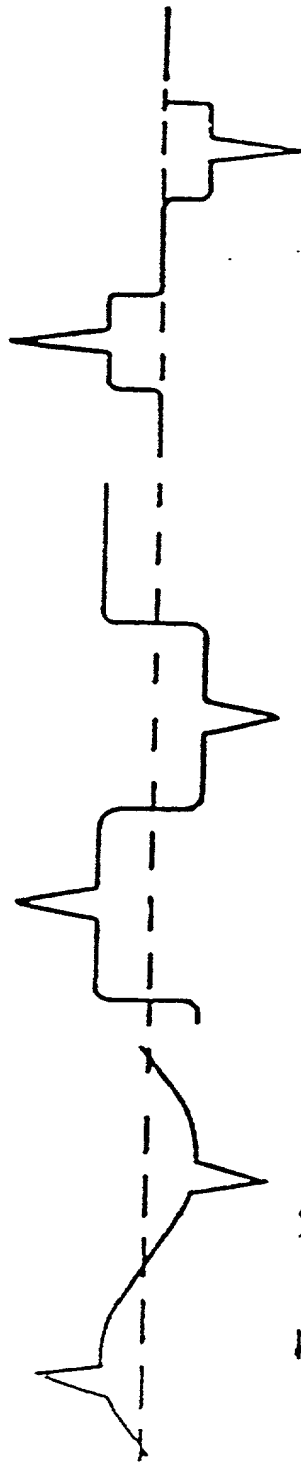


FIG. 10

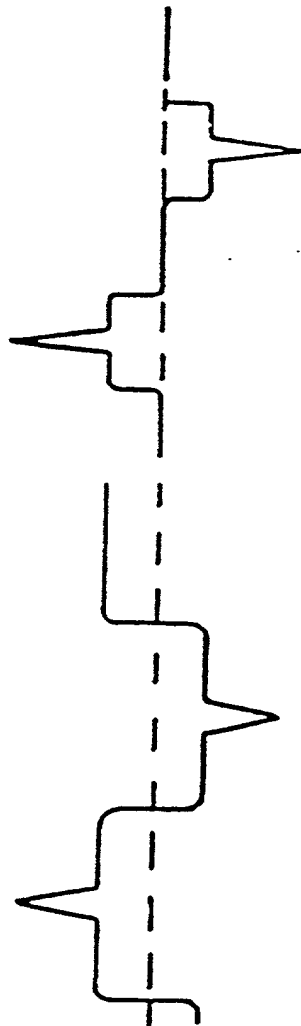


FIG. 11

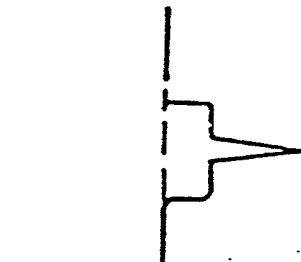


FIG. 12

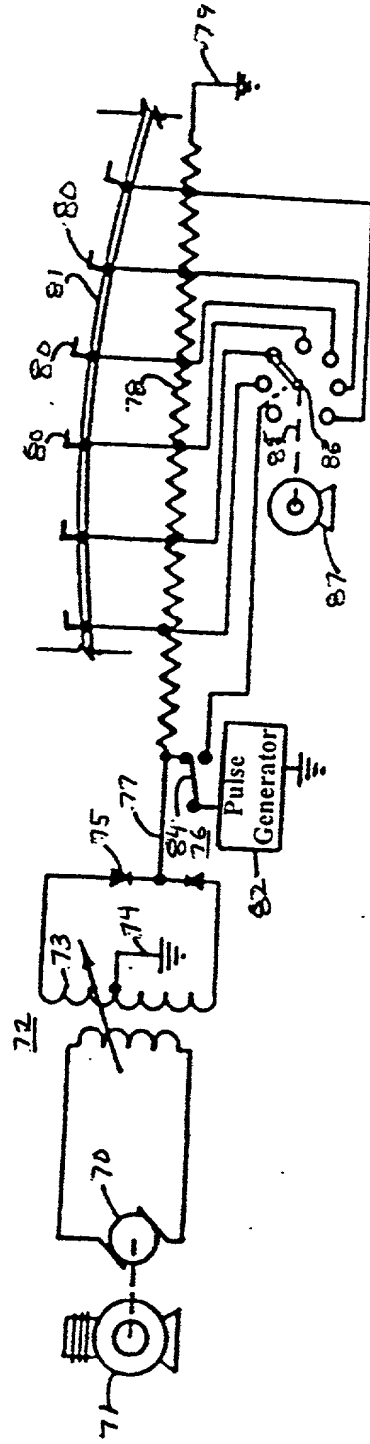


FIG. 13

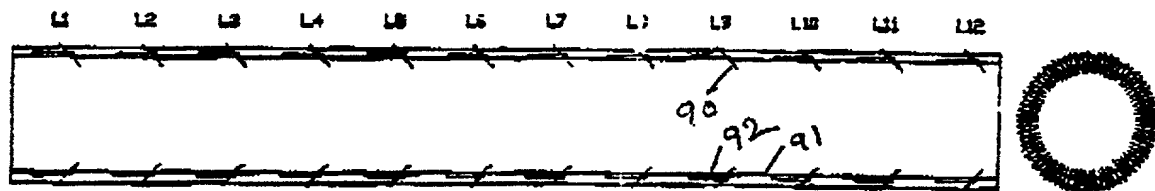


Fig. 14

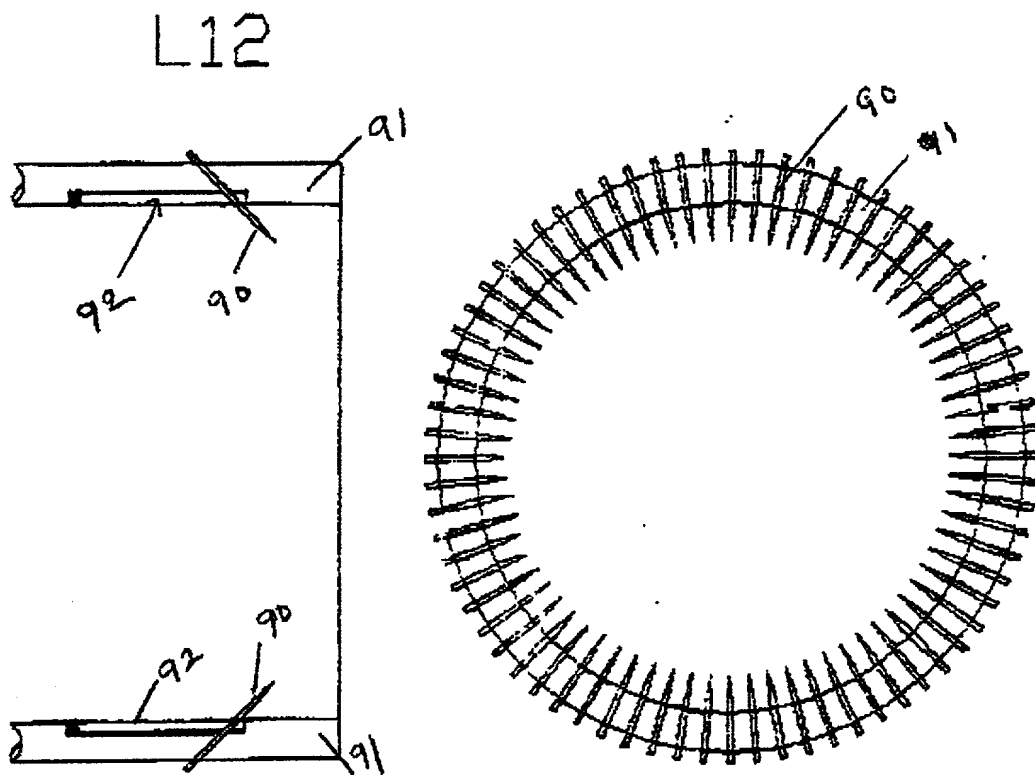


Fig. 14B

Fig. 14A

09675654-06101

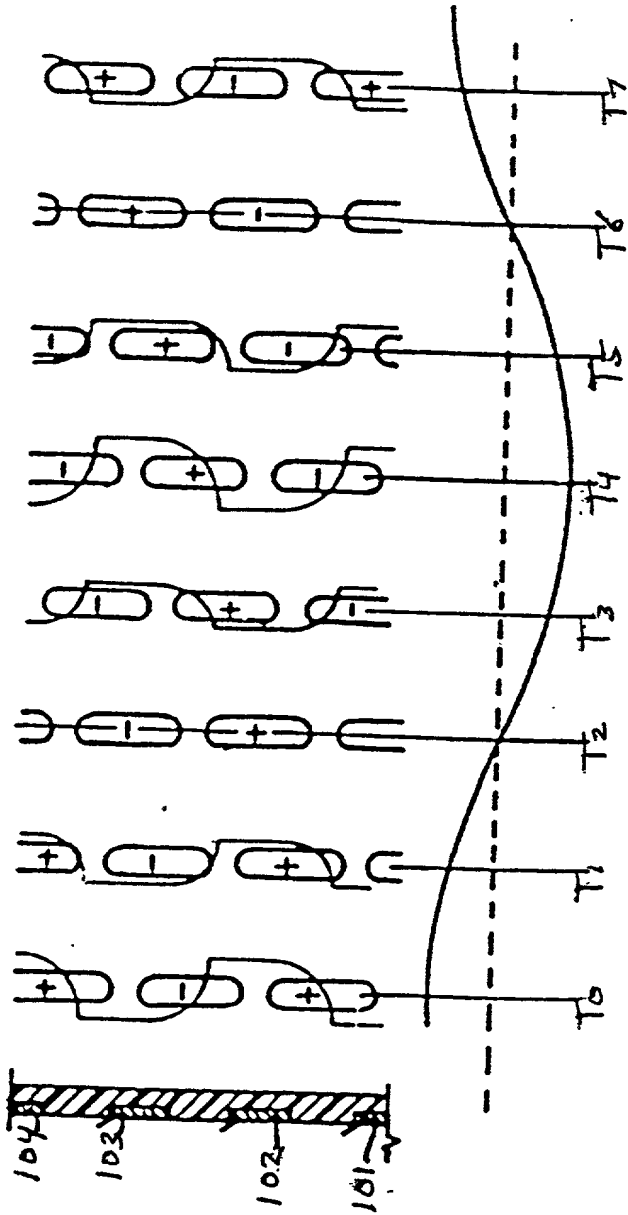


Fig. 15

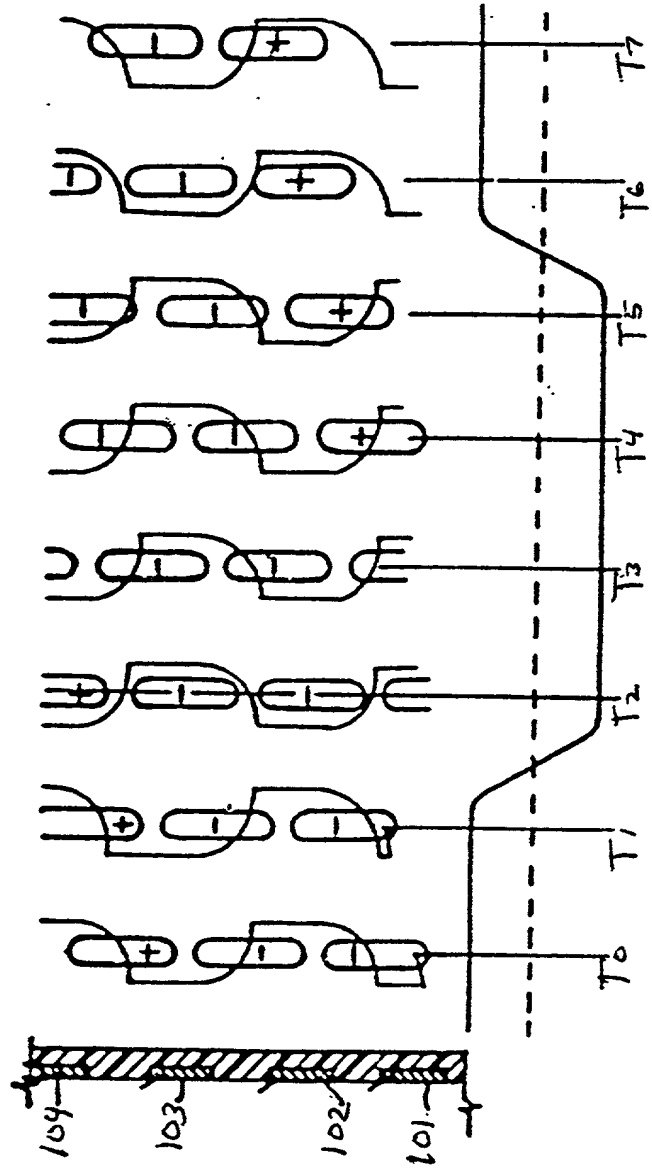


Fig. 16

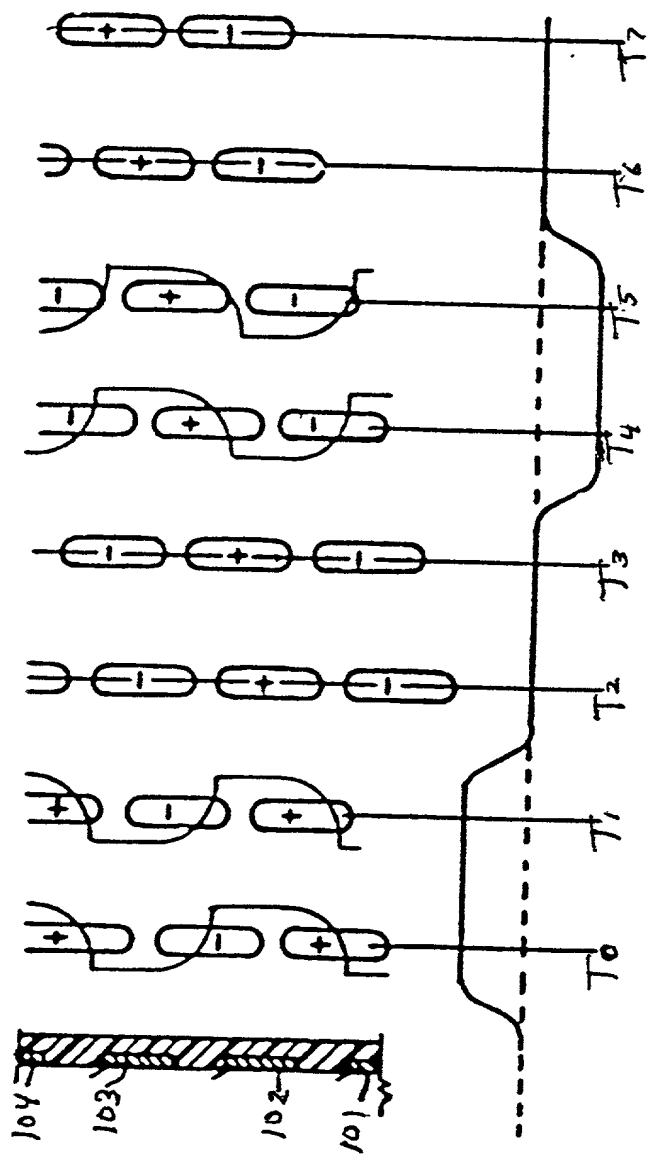


Fig. 17

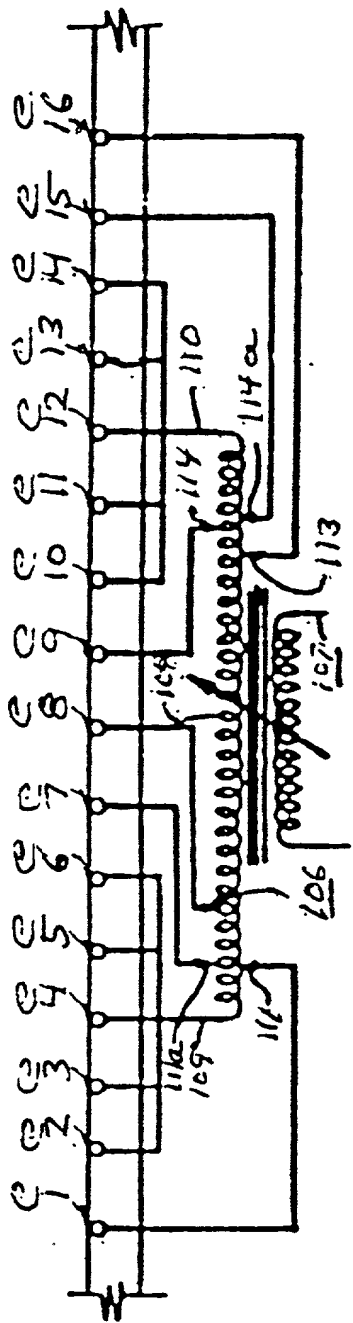


Fig. 18

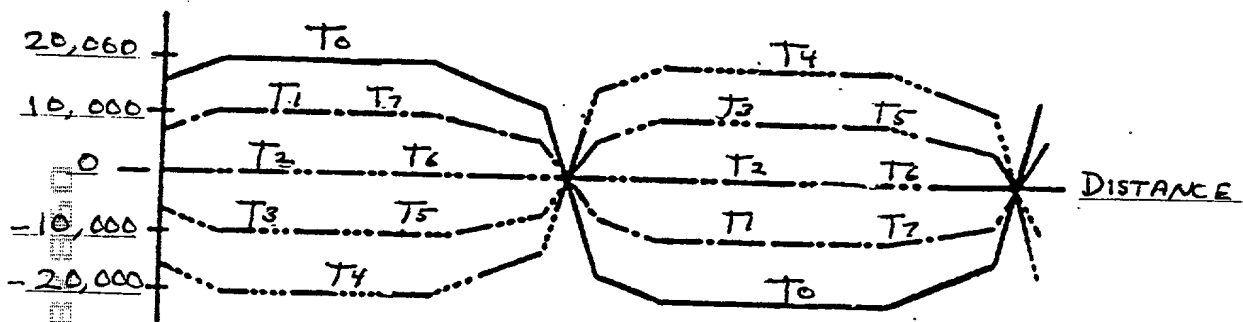


FIG. 19

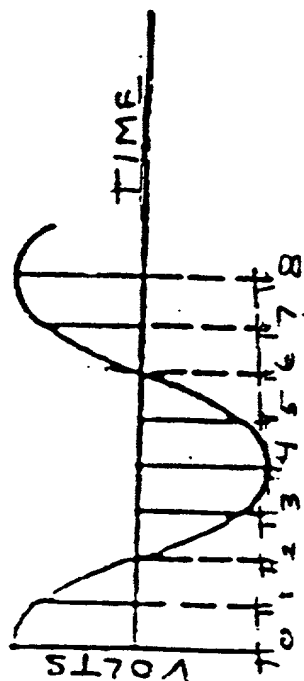


Fig. 20

0967654.06.10.1
T0.T.00.4532860

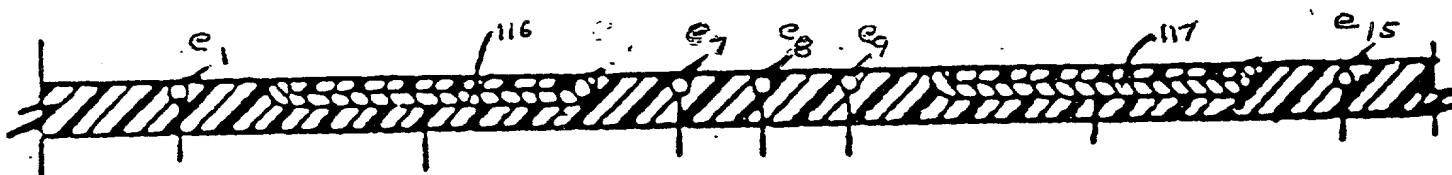


FIG. 21

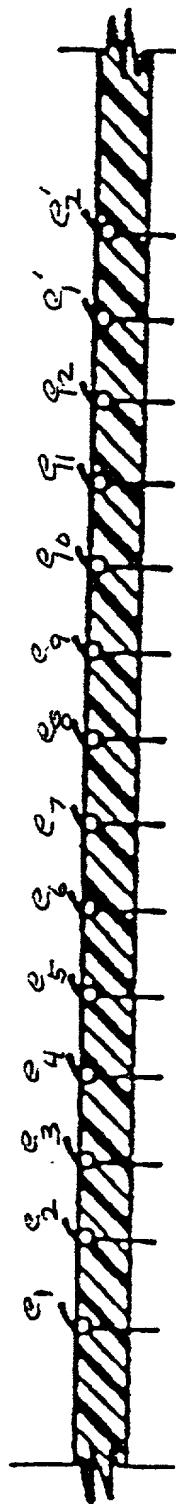


FIG. 22

FIG. 23

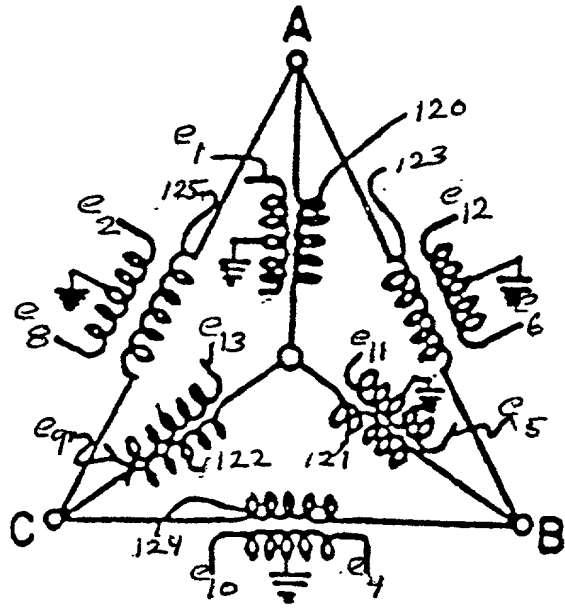


Fig. 23

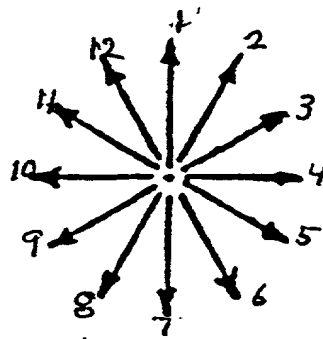


FIG. 24

109278654.064.101

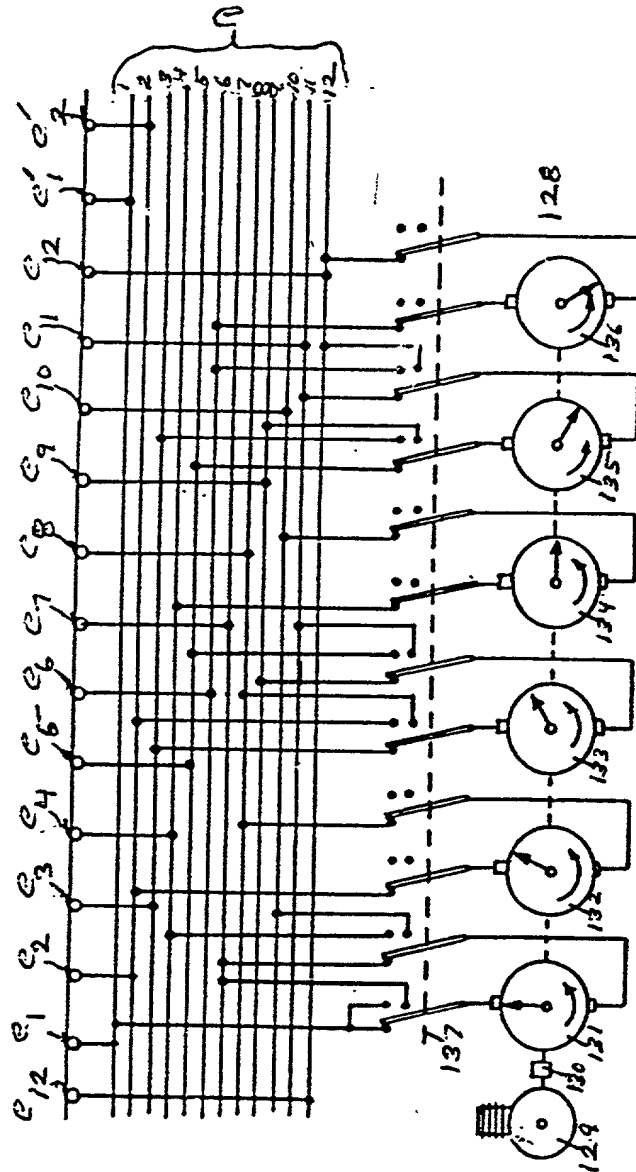


Fig. 25

FOOTNOTES

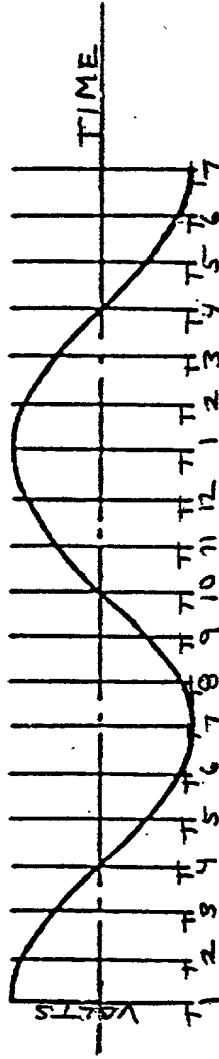


FIG. 26

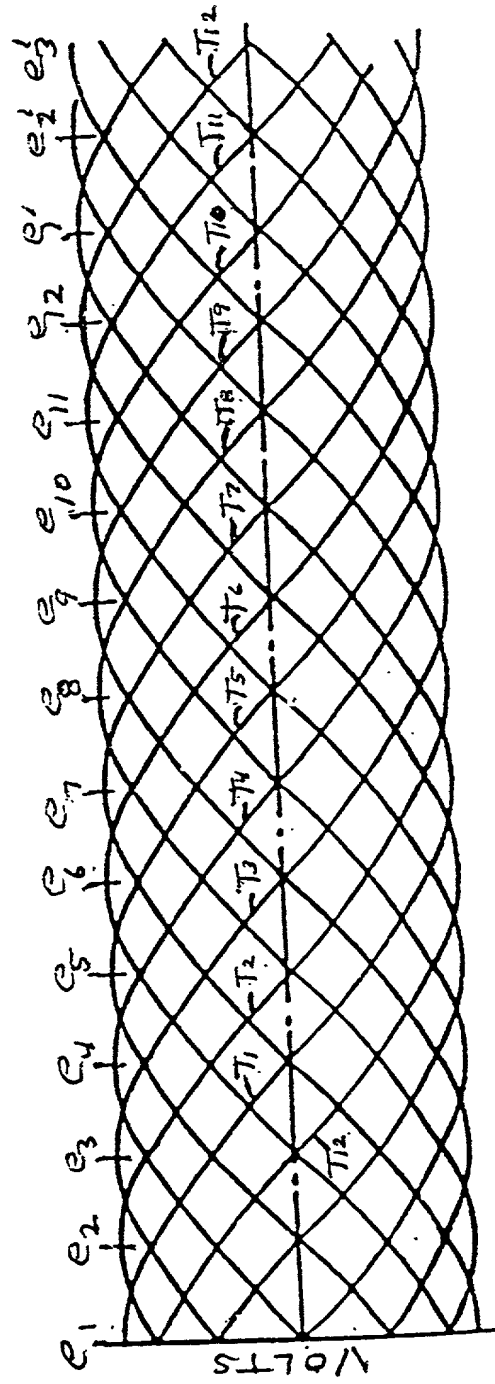


FIG. 27

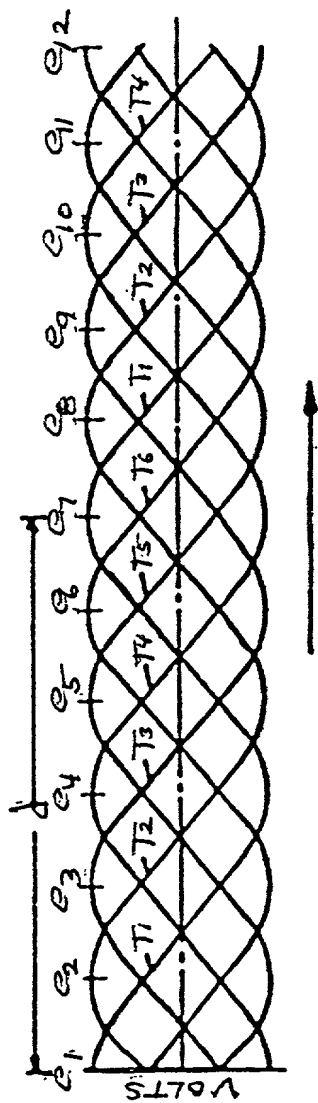


FIG. 28